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NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year)
02 July 1999 (02.07.99)
in its cap

in its capacity as elected Office

International application No.
PCT/NL98/00634

International filing date (day/month/year)
O3 November 1998 (03.11.98)

Applicant

Applicant's or agent's file reference
PCT 0747

Priority date (day/month/year)
O3 November 1997 (03.11.97)

VAN ROSSUM, Antoon, Johannes, Gerardus et al

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in a notice effe	cting later election filed v	with the International Bu	ureau on:	
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	ration of 19 months from	n the priority date or, wi	here Rule 32 applies, wit	hin the time limit under
Rule 32.2(b).				
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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

N. Masson

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY Kopie TERMIJN OTTEVANGER, VEREENIGDE OCTRODIBUREAUX NOTIFICATION OF TRANSMITTAL OF Nieuwe Parklaad 97 THE INTERNATIONAL PRELIMINARY NL-2587 BN The Hague **EXAMINATION REPORT** Beantwood Dericht gezonden PAYS-BAS (PCT Rule 71.1) voon. กรด dof. dd. Date of mailing MAP 2 7. 01. 00 (day/month/year) Applicant's or agent's file reference IMPORTANT NOTIFICATION P11115PC00 International filing date (day/month/year) Priority date (day/month/year) International application No. 03/11/1997 03/11/1998 PCT/NL98/00634 Applicant

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article-39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

Authorized officer

Salaūn, M

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		See Notification of Transmittal of International
P11115PC00	FOR FURTHER ACTIO	Preliminary Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/m	
PCT/NL98/00634	03/11/1998	03/11/1997
International Patent Classification A01G9/14 Applicant RAADGEVEND CHEMIEB	(IPC) or national classification and IPC	
This international prelimi		pared by this International Preliminary Examining Authori
☐ This report is also ac	of a total of 6 sheets, including this cover ecompanied by ANNEXES, i.e. sheets are the basis for this report and/or she Section 607 of the Administrative Inst	of the description, claims and/or drawings which hav eets containing rectifications made before this Authority
These annexes consist of	of a total of sheets.	
3. This report contains indic	cations relating to the following items:	
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		ty, inventive step and industrial applicability
		rd to novelty, inventive step or industrial applicability;
VI Certain doc		
	ects in the international application	
VIII Certain obse	ervations on the international applicatio	on
Date of submission of the demar	nd Da	ate of completion of this report
03/06/1999		2 7. 01. 60
Name and mailing address of the preliminary examining authority:		uthorized officer
	0 Tx: 523656 epmu d	chlichting, N
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NL98/00634

I. Basis	f th	r	port
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1.	response	ort has been drawn e to an invitation und rt since they do not	der Artick	e 14 are	substitute sheets which have been furnished to the receiving Office in referred to in this report as "originally filed" and are not annexed to ents.):
	Descript	tion, pages:			
	1-16	as o	riginally f	iled	•
	Claims,	No.:			
	1-28	as o	riginally f	iled	
	_		10 - 0 to Al-	1	U-8:
2.	The ame	endments have resu	ilted in th	e cancell	lation of:
	☐ the	description, pa	ages:		
	☐ the	claims, N	os.:		
	☐ the	drawings, sł	neets:		
3.	☐ This	s report has been es sidered to go beyor	stablished and the dis	d as if (so sclosure a	ome of) the amendments had not been made, since they have been as filed (Rule 70.2(c)):
4.	Addition	al observations, if n	ecessary	/ :	
٧.	Reason applica	ed statement unde bility; citations and	er Article d explan	e 35(2) w ations s	rith regard to novelty, inventive step or industrial supporting such statement
1.	Stateme	ent			
	Novelty	(N)	Yes: No:	Claims Claims	1-26 27,28
	Inventiv	e step (IS)	Yes: No:	Claims Claims	1-19,21-26 20,27,28
	Industri	al applicability (IA)	Yes: No:	Claims Claims	1-28

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NL98/00634

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

Re Item V

1. Claims 1-19, 26

Document EP-A-478 067 (D1), which is considered to represent the most relevant state of the art, discloses (cf. page 2, lines 1-3) a protective coating, suitable for being removed with a removing agent comprising a strong base and a complex former (cf. page 2, lines 49-53), which protective coating comprises a pigment and a binder (cf. page 2, line 44), the binder being a polymer (cf. page 2, line 46).

The subject-matter of claim 1 differs from that known coating in that the polymer used as a binder is specified by a weight-average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250.

- 1.2 The problem to be solved by the present invention may therefore be regarded as to provide a protective coating which has an adhesive strength such that it is sufficiently resistant to weather influence and that it can be easily removed at the moment when it is no longer desired.
- 1.3 The solution to this problem proposed in claim 1 is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

Document EP-A-0 533 367 (D2) describes a protective coating for new products when transporting them or otherwise exposing them to elements as, e.g. acid rain. The coating contains a binder with an average molecular weight of 7.000 - 25.000 and an acid value of 30 - 200, but does not contain pigments for a protection from light and heat. Since a binder for a coating containing a pigment (as the coating of the invention) has to meet different requirements than a binder for a coating without pigment (as the one disclosed in D2), it is not obvious for a skilled person to use a binder with the specific average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250 for providing a protective coating with the desired characteristics.

The documents further cited in the International Search Report do not disclose a protective coating comprising such a binder with an average molecular weight of 10.000 - 100.000. Therefore, a combination of either of one of those documents with D1 would not obviously lead to the subject-matter of claim 1.

- 1.4 As the claims 15, 18 and 26 concern the protective agent, which is used for forming the protective coating according to claim 1, the method for forming the protective coating according to claim 1 and a kid comprising the protective coating according to claim 1, the same argumentation applies to the subject-matter of claims 15, 18 and 26. Therefore also claims 15, 18 and 26 meet the requirements of Article 33(2) and 33(3) PCT.
- 1.5 Claims 2-14, 16-17 and 19 are dependent on the abovementioned claims and as such also meet the requirements of the PCT with respect to novelty and inventive step.

2. Claims 20-25

2.1 D1 discloses also a method for removing a protective coating, wherein the protective coating differs from that known coating in that the polymer used as a binder is specified by a weight-average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250.

The subject-matter of claim 20 is therefore novel (Article 33(2) PCT).

- 2.2 The subject-matter of claim 20 cannot be considered as involving an inventive step (Article 33(3) PCT) since it is general knowledge to use a removing agent comprising a strong base and a complex former for making a protective coating with an acid value removable, as it is evidenced in the prior art, e.g. D1, page 2, lines 49-50 or D2, page 3, line 54.
- 2.3 The subject-matter of claim 21, namely the specification of the removing agent containing 1-10% by weight of the strong base, is not disclosed in D1 or D2, which describe removing agents with a different amount of the strong base. Therefore, it is not obvious to a skilled person that a removing agent, wherein the strong base is present in an amount of 1-10%, is specifically suitable for removing the protective

coating according to claim 1. The subject-matter of claim 21 can be considered as involving an inventive step (Article 33(3) PCT).

The same argumentation applies for the subject-matter of claim 22, which therefore also can be considered as involving an inventive step.

2.4 Claims 23 to 25 are dependent on claim 21 or 22 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

Claims 27 and 28 3.

The simple use of a polymer having a weight-average molecular weight of 10.000 -3.1 100.000 and an acid value of 40 - 250 as binder in a protective agent is not new over the known prior art, cf. D2, page 2, line 58 to page 3, line 1 and tables 1 and 2 (e.g. average molecular weight of 12.000 and acid value of 110).

The subject-matter of claim 27 is therefore not novel (Article 33(2) PCT).

3.2 D3 already discloses the use of benzyl alcohol for removing a protective agent from a transparent surface (cf. col. 29, line 15, examples 13, 14, 15, 54, 55, 56, 58, 59).

The subject-matter of claim 28 is therefore not novel (Article 33(2) PCT).

The requirements of Article 33(4) PCT concerning industrial applicability are fulfilled.

Re item VII

The independent claims are not in the two-part form in accordance with Rule 6.3(b) PCT, which in the present case would be appropriate, with those features known in combination from the prior art (cf. D1, D2, D3) being placed in a preamble (Rule 6.3(b)(I) PCT) and with the remaining features being included in a characterising part (Rule 6.3(b)(ii) PCT).

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WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



,		JNDER THE PATENT COOPERATION TREATY (PC1)
(51) International Patent Classification ⁶ :		(11) International Publication Number: WO 99/2258
A01G 9/14, C09D 5/00, 5/32, 9/00	A1	(43) International Publication Date: 14 May 1999 (14.05.9)
(21) International Application Number: PCT/NL (22) International Filing Date: 3 November 1998 ((AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, I
(30) Priority Data: 1007433 3 November 1997 (03.11.97	') N	Published With international search report.
(71) Applicant (for all designated States exception RAADGEVEND CHEMIEBUREAU RSB [NL/NL]; Geerstraat 8a, NL-5111 PS Baarle-Nass	V.O.	F.
(72) Inventors; and (75) Inventors/Applicants (for US only): VAN ROSSUM Johannes, Gerardus [NL/NL]; Craenweide 13, NL— Berkel-Enschot (NL). BERTELS, Antonius, Fr Maria [NL/NL]; Alberdinck Thijmstraat 11, NL- Oisterwijk (NL).	5056 B ranciscu	W as,
(74) Agent: OTTEVANGER, S., U.; Vereenigde Octroo Nieuwe Parklaan 97, NL-2587 BN The Hague (N		· ·
		,
(54) Title: REMOVABLE PROTECTIVE COATING		
(57) Abstract		
coating comprises a pigment, a weak base and a binder	r, the l	vable with a removing agent comprising a strong base, which protective binder being a polymer having a weight-average molecular weight the relates to a protective agent and a method for forming the protective

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DK	Denmark	LK	Sri Lanka	SE	Sweden			
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A. CLASSIFICATION OF SUBJECT MATTER IPC 6 A01G9/14 C09D5/00

C09D5/32

C09D9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 6 \ \ A01G \ \ C09D$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 533 367 A (NIPPON PAINT CO LTD) 24 March 1993 cited in the application	27
Υ	see claims; tables	1-3, 5-10, 14-16, 18-22,26
Y	EP 0 478 067 A (ROSSUM ANTOON JOHANNES GERARDU ; BERTELS ANTONIUS FRANCISCUS MA (NL) 1 April 1992 cited in the application see the whole document	1-3, 5-10, 14-16, 18-22, 26,28
	-/	

Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	To later document published after the international filing date or principly date and not in conflict with the application but the to understand the principle or theory underlying the animal to understand the principle or theory underlying the animal to the considered to envolve an inventive step when the document is taken alone. The document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
Date of the actual completion of the international search	Date of mailing of the international search report
1 February 1999	08/02/1999
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Merckx, A

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	CI/NL 98/00034
Category *		Relevant to claim No.
Y	US 5 597 788 A (STEVENS EDWIN) 28 January 1997	28
A	see claims	20,23-25
K	EP 0 578 498 A (NIPPON CATALYTIC CHEM IND) 12 January 1994 cited in the application see claims	27
4	See Craims	1-7,15, 20
A	EP 0 421 250 A (PPG INDUSTRIES INC) 10 April 1991	1,2,4-8, 15,20, 26,27
	see page 3, line 13 - page 4, line 47	
A	GB 2 231 876 A (ICI PLC) 28 November 1990	1,2,4-7, 15,16,27
	see claims	
A	US 5 061 518 A (LANGERBEINS KLAUS ET AL) 29 October 1991	1,4-8, 15,20, 23,26,27
	see the whole document	
A	NL 9 300 675 A (ANTOON JOHANNES GERARDUS VAN R;ANTONIUS FRANCISCUS MARIA BERT) 16 November 1994 see claims	1,11,12, 14-16, 18-22,26
Α	EP 0 428 937 A (ISRAEL STATE) 29 May 1991 cited in the application	6-10, 13-15, 18,19,27
	see the whole document	

1

Information on patent family members

Int. Application No PCT/NL 98/00634

	atent document d in search report		Publication date		Patent family member(s)	Publication date
FP	0533367	Α	24-03-1993	JP	5059309 A	09-03-1993
	000007	* 1	<u></u>	ĂU	652327 B	18-08-1994
				AU	2135992 A	04-03-1993
				CA	2076762 A	01-03-1993
				DE	69217788 D	10-04-1997
				DE	69217788 T	12-06-1997
				US 	5270414 A	14-12-1993
ΕP	0478067	Α	01-04-1992	NL	9002100 A	16-04-1992
				DE	69112327 D	28-09-1995
				DE	69112327 T	18-04-1996
				DK	478067 T	15-01-1996
115	5597788	 А	28-01-1997	US	5427710 A	27-06-1995
00	3337700	^	20 01 1337	ÜS	5425893 A	20-06-1995
				AU	6634694 A	08-11-1994
				BR	9405777 A	16-01-1996
				CA	2160544 A	27-10-1994
				CN	1124492 A	12-06-1996
				EP	0695328 A	07-02-1996
				JP	8509258 T	01-10-1996
				PL	311141 A	05-02-1996
				WO	9424216 A	27-10-1995
EP	0578498	A	12-01-1994	JP	6080735 A	22-03-1994
				JP	2582510 B	19-02-1997
				ĴΡ	6025358 A	01-02-1994
				JP	6049131 A	22-02-1994
				DE	69309795 D	22-05-1997
				DE	69309795 T	27-11-1997
				US	5574117 A	12-11-1994
			10.04.1001	ис	5081174 A	14-01-1992
E.F	0421250	Α	10-04-1991	US		
				AT	123047 T	15-06-1995
				AU	6265790 A	01-08-1991
				CA	2025839 A,C	03-04-1991
				DE	69019655 D	29-06-1995
				DE	69019655 T	18-01-1996
				DK	42125 0 T	09-10-1995
				ES	2075104 T	01-10-1995
				JP	10183026 A	07-07-1998
				JP	2720958 B	04-03-1998
				JΡ	3126775 A	29-05-1991
				KR	9311582 B	13-12-1993
				MX	172409 B	15-12-1993
				US	5639814 A	17-06-1997
				US	5229450 A	20-07-1993
GE	3 2231876	Α	28-11-1990	AU AU	618408 B 4254389 A	19-12-1991 26-04-1990
						12-04-1990
				CA	2000511 A	
				DE	68911874 D	10-02-1994
				DE	68911874 T	05-05-1994
				EP	0369581 A	23-05-1990
				ES	2062026 T	16-12-1994
				JP	2151667 A	11-06-1990
				Jr	213100/ K	11 00 1990
				MX	170373 B	18-08-1993

Information on patent family members

Int. Application No PCT/NL 98/00634

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
GB 2231876	Α		US	5191014 A	02-03-1993	
US 5061518	Α	29-10-1991	DE EP JP	3839177 A 0370339 A 2182768 A	13-06-1990 30-05-1990 17-07-1990	
NL 9300675	Α	16-11-1994	NONE			
EP 0428937	Α	29-05-1991	AU CA	6669290 A 2029941 A	23-05-1991 21-05-1991	

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT 0747	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/NL 98/00634	03/11/1998	03/11/1997
Applicant		
RAADGEVEND CHEMIEBUREAU R	PSR V O F at all	
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This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Auth ansmitted to the International Bureau.	nority and is transmitted to the applicant
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	by of each priorart document cited in this report.	
1. Certain claims were found un	isearchable (see Box I)	
2. Unity of invention is lacking(see Box II).	
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3. The international application co	ntains disclosure of a nucleotide and/or amine	acid sequence listing and the
L	d out on the basis of the sequence listing	acid sequence listing and the
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Box	text has been established, according to Rule 38 till. The applicant may, within one month from tarch Report, submit comments to this Authority.	he date of mailing of this International
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Figure No as s	suggested by the applicant.	X None of the figures.
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Application No:

GB 9815295.2

Claims searched: 1 to 15 Examiner:

Michael Conlon

Date of search: 27 October 1998

Patents Act 1977 Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.P): C5D (DDA)

Int Cl (Ed.6): C11D 17/00

Other: WPI

Documents considered to be relevant:

Category	Identity of document and relevant passage		Relevant to claims
X	EP0846756 A1	(Procter & Gamble) claim 1, Examples 1 and 2 and page 4 lines 18 to 22	l at least
X	EP0048163 A1	(Beecham) Examples 1 and 2 and page 21 lines 1 to 18	l at least
x	US4369308	(Trubiano) Examples I and VI	l at least
X	WO91/13546 A1	(Du Pont) page 3 line 1, the Examples	l at least

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